



Recycling Infrastructure Grant Program

A portion of the State Energy Program funding was used to provide grants to increase the recycling infrastructure in Montana communities. Energy used to mine resources and manufacture goods can be reduced through recycling. In Montana, recycling is challenging because of long distances between communities and small population centers. The grant program was designed to encourage communities to work together to reduce transportation costs.

More than one million dollars in funding was requested by 44 applicants. \$312,000 in funding was available. \$308,000 was awarded to eighteen communities/organizations in thirteen counties. Funded projects will provide:

- Seven balers to compact recyclable material in order to ship more weight per load
- Four compartmentalized recycling trailers to collect material and transport to a regional recycling center
- Eight roll-off containers that will be placed in rural communities for material collection
- Five programs will purchase several hundred small and large collection containers to place various locations within communities
- One Construction & Demolition material recovery program
- One densifier to process recycled plastic into a pelletized form that can be used by manufacturers of plastic products
- One compactor that will be used to compact recycled cardboard
- A professional film will be developed as part of an educational program for elementary school students
- All of the funded projects include an educational component

To date most of the equipment has been ordered. A small percentage of the equipment has been delivered and is currently being installed.

The City of Colstrip and Powder River County were each awarded funding for a baler. Once their programs are in place they will develop a collaborative transportation system to move their community's recyclable materials to market. Eventually other communities, such as Forsyth, may join in the area's recycling network.

A grant to the Associated Students of Montana State University (ASMSU) will implement recycling at all major sporting events, trade shows, concerts and other large public gatherings. A long-term recycling strategy at public gatherings was a natural choice for MSU's student applicants. The largest venues on campus — the 10,000-seat Brick Breeden Field House and 15,000-seat Bobcat Stadium — will be the focus. Hundreds of thousands of people attending events each year will come in contact with this recycling project.

Flathead, Lincoln and Lake Counties are coordinating their recycling efforts through this grant program. A high population growth rate in the larger Flathead has dramatically shortened the life expectancy of the regional landfill. Flathead and Lake Counties joined with the cities of Polson and Libby to effectively collect, compact, transport and recycle a variety of commodities. The region's first e-waste event was recently conducted, and the area now recycles textiles.

Department of Environmental Quality

Recycling Infrastructure Grants using ARRA State Energy Program Funding

Status Update Presented to the Environmental Quality Council July 22, 2010

APPLICANT	Amount Funded	Expended as of July '10	Project Description	Activities to Date
Lincoln County Dept of Environmental Health	\$ 25,000.00		Recycling trailers will be placed in the towns of Libby and Troy. Will haul to Valley Recycling in Kalispell.	The two recycling trailers have been ordered and will be delivered in July. Signs have been ordered for the sites, and a radio interview conducted.
City of Colstrip	\$ 13,775.00		A baler will be purchased to compact collected materials. Collection containers will be distributed and an educational campaign will be developed for residents. May work with Broadus on transportation.	Proposals from three baler manufacturers have been received. A decision will be made in July. Solid Waste Department personnel are contacting local businesses to set up cardboard sites around the town.
Lake County Transfer Station	\$ 24,867.00		Three compartmentalized roll-off bins to be placed in St. Ignatius, Ronan and Polson areas.	Developing new specs for roll-off bins - original bins will not work as initially planned.
Broadwater County	\$ 12,500.00	\$ 12,358.00	Two roll-off bins for the collection of recycled cardboard from the county. A recycling campaign will target cardboard.	The two 20-yd. roll-off bins for cardboard collection have been delivered.
Home ReSource, Missoula	\$ 16,156.00	\$ 9,670.98	A construction and demolition refurbishing program will be implemented. Funding will be used to purchase shop equipment to resurface and otherwise prepare C&D materials for reuse. Recycled C&D will be used in classes taught at Home ReSource, and also sold to customers.	Several pieces of shop equipment have been purchased. Workshop and class descriptions developed with Missoula Public Schools. Hired Shop Manager and Program Coordinator.
Granite County	\$ 24,590.00		Two balers will be purchased that will be placed at the Philipsburg and Drummond collection sites. Cardboard and plastic will initially be baled.	Commissioners approved the purchase of two balers from Waste Control International. Balers will be delivered in July.
Broadwater County Development Corporation	\$ 12,500.00	\$ 6,327.50	A cardboard recycling campaign will be launched in the county. A cardboard baler will be purchased. Cardboard will be collected in the county's roll-off boxes.	Have received the baler but the initial site to install and operate fell through, looking for alternative site to install baler. Have a backup plan of the Hahn Ranch.
City of Bozeman	\$ 14,117.00		Bozeman School District-wide recycling program. Curriculum for fifth graders will be developed, including a professional video. Recycling lesson will be taught by high school 'green team' students.	The film has been shot and is being edited. The curriculum is being developed and will be ready in August when teachers return to school. An activity packet is partially developed.
Lincoln Solid Waste District	\$ 14,000.00		A baler will be purchased and used initially for recycled plastic. A concrete pad and shed cover will be built to protect the baler.	Working with partners in Lincoln to finalize a location for the baler.
Earth First Aid, Billings	\$ 21,000.00	\$ 19,800.00	Roll-off bins for the collection of recyclables from rural communities around Billings	The three roll-off bins that will be used for recycling are on order. The bins are being manufactured locally.

Hill County.	\$ 3,200.00	\$ 3,200.00	Recycling bins for office paper will be purchased. The bins will be placed at Havre town offices, waste district office, hospitals, schools, etc. Each organization that receives bins will attend a recycling training session.	32-gallon collection containers have arrived and are awaiting the recycling programs to be kicked off. Emailed recycling audit introduction letters to the City of Havre and Havre SD. Participated in the Greening Your Home Fair and Havre Information Fair.
City of Polson	\$ 22,380.00	\$ 8,603.25	Community wide collection bins - schools, parks, city buildings. A trailer will be purchased to haul to recycler in Lake County.	Ordered recycling bins for the parks for plastics and aluminum cans; put 50% down payment on order. Purchased 18' utility trailer for hauling recyclables.
Powder River County	\$ 16,340.00		A baler will be purchased. Collection bins will be distributed to various organizations in Powder River County. May share the transportation of baled materials with Colstrip.	Powder River Recyclers has submitted a written report on balers to the county commissioners for final action, which will be taken in July. A trailer for use in collecting recyclables is available for use at various county facilities. It has been used at the golf course and will be used during county fair at fairgrounds.
Augusta Solid Waste District	\$ 14,000.00		A baler will be purchased and used initially for recycled plastic. A concrete pad and shed cover will be built to protect the baler.	Bid packet finalized. Working with partners in Augusta to finalize a location for the baler.
Palindrome Products, LLC, Missoula	\$ 25,000.00		A densifier to process plastic will be purchased. Recycled plastic will be pelletized and will be sold to manufacturers.	Researching the best densifier for the project. Having a bit of trouble with the 'demand surcharge' costs that had not been planned for.
Flathead County Solid Waste District	\$ 25,000.00	\$ 7,859.50	A cardboard compactor will be purchased for the cardboard collected at the Columbia Falls site. Recycled cardboard will be increased because of the additional capacity, and fuel use will be reduced.	Compactor has been ordered. Flathead Electric is installing the pole and station. Contracts have been developed with contractors to complete the electrical and concrete pad.
MSU Associated Students	\$ 4,660.59	\$ 4,660.59	Special 'Clear-Stream' event recycling bins will be ordered to use at University sporting events, concerts, trade shows, rodeos, etc. Internal cooperation developed with the recycling department and sport/event facilities.	The event-recycling bins have been received. Working with Sports Facilities and Catering to schedule recycling services for July events at the Fieldhouse and Strand Union. Drafted MOU outlining roles and responsibilities for ASMSU and Athletics for the fall events.
City of Shelby	\$ 18,900.00	\$ 17,743.00	Recycling trailer will be purchased. Collection bins will be purchased for schools, hospitals, and employment hubs. An educational campaign will be developed.	Have decided upon the trailer that will work for the program - a ProTainer with two additional bins, a spare tire, electric brakes and can be hauled with either a 1/2 or 3/4 ton PU. A marketing campaign has been launched within the community and have had several articles in the newspaper and on TV.
	\$307,985.59	\$ 90,222.82		